Previous Measurements		Present Measurements			Total Up to Date	
Qty	Amount	Qty	Rate	Amount	Qty	Amount
		1.00	115000.00	115000.00	1.00	115000.00
		1.00	140000.00	140000.00	1.00	140000.00
		1.00	130000.00	130000.00	1.00	130000.00

Sl No	Item Name	Unit
36	Supply and fixing of HD Squat Pushing. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.SizeL x W x H): 2270 x 635 x 1640 mm. Weight: 60.2Kg. Safety Area: 5300 * 3685mm. Capacity 2 Persons	No,s
37	Supply and Fixing of HD Sit Up Station. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. . All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1412 x 1366 x 650 mm. Weight: 42.6 Kg Safety Area: 4462 x 4078 mm Capacity_2 Persons.	Nos
38	Supply and Fixing of Multi play System : Upright structural posts of height 2.3 m, 2.6 m and 3.1m are to be schedule Galvanized steel with a 114mm OD {Outer Diameter}.All the posts are to be finished with a baked on powder coat finish. Powder coatings used TGIC Polyester powder. Electro - statically applied polyester powder must have a tough finish with maximum durability. The pre treatment and curing process includes Acid wash > freshwater rinse > iron phosphate rinse > final rinse > rust prevention treatment > seal & dry-off > oven baked electro-static powder application and dual zone curing in the oven > QC Controls > Final finish. Finished products have the following typical characteristics: 0.5mm thickness, oven cured between 191oCand 220oC, to achieve Flexibility, Impact, Salt Spray {Corrosion} Resistance, Hardness, and Adhesion. Specialized connectors such as clamps and couplings are to be cast from aluminium which is pre treated, and cured, with a baked on powder coat finish. Deck of size 1.16 m x 1.16 m and Staircase of size 1.0 m x 0.60 m shall be an all-PATENT welded assembly fabricated from perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pre pressed, punched, and welded, powder coated to 2.2mm thickness or vinyl plastic coated to a thickness of 4mm [optional].Handrail of height 1.88 m and Dia 32 mm shall be an all-patent welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 grade and shall be of tamper resistant stainless steel. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as a safety feature against protruding hardware, aesthetic pleasing against ugly exposed hardware and prevention against vandalism as well. Roof of size 1.47 m x 1.47 m x 0.96 m, 3 Slides, Wavey Slide, Double Slide and a Tube Slide, Panels, Plastic Components [super thick plastic] shall be rotationally moulded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with "color moulded" in not "added in". All rotational moulding is carried out in state of the art, precision, bi axial roto moulding machines which helps achieve guaranteed uniform wall thickness, seamless joints, accurate process control, one part construction to make it stress free. Swing of size 2.55 m x 1.05 m shall be fabricated from 32mm O.D. galvanized steel pipe with a baked on powder coating finish. The pre treatment and curing process includes acid wash, freshwater rinse, iron phosphate, final rinse and seal, dry-off oven, electro-static powder application, and dual zone cure oven. Finished products have the following typical characteristics: 0.5mm thickness, oven cured between 191oC and 220oC, flexibility, Impact, Salt Spray resistance, Hardness, and Adhesion. ALL WELDING IS CARRIED OUT BY ROBOTS [SIMMILIAR TO THE ONES USED IN THE AUTOMOBILE INDUSTRY], WHICH GUARANTEES STRONG AND SMOOTH WELDS ELIMINATING ANY RAG, WELD SCARS AND ENSURES THE INTEGRITY AND STRENGTH OF THE WELDED AREAS. Size L x W x H): 6740 x 6430 x	No,s

Previous Measurements		Present Measurements			Total Up to Date	
Qty	Amount	Qty	Rate	Amount	Qty	Amount
		1.00	215000.00	215000.00	1.00	215000.00
		1.00	125000.00	125000.00	1.00	125000.00
		1.00	815000.00	815000.00	1.00	815000.00

Sl No	Item Name	U
39	Supply and Fixing of Elephant Rider / Horse Rider / Puppy Dog Rider. Frame made of High density Polyethylene(HDPE) of of size 900mm x 250mm x 575mm and 15mm thickness which meets the GB/T13663-2000 standard. The HDPE used is UVStabilized, heat resistant, Non toxic and anti color fade. Spring of dia 150 mm, thickness of 20 mm and height of 330 mm made of hot rolled spring steel coil of grade GB-1222 or equivalent. Installation: Refer Installation Manual for details.Size (L x W x H): 900 x 250 x 900 mm. Safety Area: 1300 x 650 mm. Weight: Approx 22 Kg Children capacity: 1. This equipment to comply with EN 1176 Safety certification standards.	N
40	Supply and Fixing of Bike Rider. The rider consists of HDPE body and seats in the shape of a bike which is of size 828 mm x345 mm x 720 mm and 15mm thickness which meets the GB/T13663-2000 standard. The HDPE used is UV Stabilized, heatresistant, Non toxic and anti color fade. The frame is connected to a Spring of dia 150 mm, thickness of 20 mm and heightof 330 mm made of hot rolled spring steel coil of grade GB-1222 or equivalent. Installation: Refer Installation Manual for details. Size (L x W x H): 828 x 345 x 1050 mm Safety Area: 1300 x 650 mm. Weight: Approx 25 Kg. Children capacity: 1 This equipment to comply with EN 1176 Safety certification standards.	No,
41	Supply and fixing of Monkey Bar. Upright structural posts of height 2.1 m is to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. The Steel quality is BS1387-1985 technical standard BS1387-1985. All metal components are to be finished with a baked on powder coat finish. Powder coatings used is Akzo Nobel's INTERPON POWDER COATING TECHNOLOGY PAINTS. The finished products have the following typical characteristics: 0.5mm thickness, oven cured between 191oC and 220oC, to achieve Flexibility, Impact, Salt Spray {Corrosion} Resistance, Hardness, and Adhesion. All post caps are to be cast from aluminum which is pretreated, cured and sandblasted, 114mm diameter, with a baked on powder coat finish using AkzoNobel INTERPON paints. The poles are welded on to a base plate made from steel with 114mm inner diameter. Specialized connectors such as clamps and couplings casted from aluminum alloy which is pretreated, cured and sandblasted and finished with a baked on powder coat finish using AkzoNobel INTERPON coatings are used to connect the various components of the playground. Handrail of height 1.3 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating [using AkzoNobel INTERPON paints] finish. The Electro- statically applied polyester powder has a tough finish with maximum durability using AkzoNobel INTERPON paints application, and dual zone cure oven to a thickness of 0.5mm thickness, oven cured between 191oC and 220oC . Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 of tamper resistant stainless steel. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as per EN1176 standards as a safety feature against protruding hardware, aesthetic pleasing against ugly exposed hardware and prevention against vandalism as well. Toprail Of Monkey Bar of size 1.8 m x 1.3 m are all robotic welded fabricated from 48MM O.D. galvanized steel pipes for the outer bars and 32 mm OD galvanized steel for the inner parallel bars with a baked on powder coat finish. The Electro-statically applied polyester powder has a tough finish with maximum durability. The pretreatment and curing process includes the following: sandblasting> acid wash > freshwater rinse > iron phosphate > final rinse and seal dry-off oven, electro-static powder coating [using AkzoNobel INTERPON paints] application, and dual zone cure oven. Finished products have the following typical characteristics: 0.5mm thickness, oven cured between 191oC and 220oC, Flexibility, Impact, Salt Spray resistance, Hardness, and Adhesion. ALL WELDING IS CARRIED OUT BY ROBOTS [SIMILAR TO THE ONES USED IN THE AUTOMOBILE INDUSTRY], WHICH GUARANTEES STRONG AND SMOOTH WELDS ELIMINATING ANY RAG, WELD SCARS AND ENSURES THE INTEGRITY AND STRENGTH OF THE WELDED AREAS. ALL COMPONENTS MEET WITH EN-1176 SAFETY STANDARDS Installation: Refer Installation Manual for details. Size (L x W x H): 4540x 720 x 1500 mm. Safety Area: 5650 x 5740 mm.	No,s
42	Supply and Fixing of Merry Go Round DX. The platform Dia.1.21m, of thickness 2mm and width of 60 mm, with solid precision punched holes and reinforcement rib. After shot blasting, oil and phosphate removal, Zinc Primer Paint is applied at all the welding points using Zinc powder (Interpon PZ660) and Powder coated using Akzo Nobel powder coating.The handrails is made from Dia. 50 mm galvanized steel tubes and wall thickness of 2mm as per GB / T 700-1988. The welding used is CO2 shielded arc welding (meets with the requirement of BS1387-1985, and the technology used meets the requirement of the BS1387-1985) and welding is done by robotic welding. The Centre rod for the merry go round is made from 98mm dia, galvanized steel post and connected on to a 160mm dia pipe which is connected to the base plate at the bottom for fixing the foundation. The concealed bearings of grade 6213 and 32213 which conforms to GB-T308-2002 is used to ensure smooth movement of the equipment. The centre rod is connected to the 1.3m dia platform througha base plate of 250mm dia using M16 stainless steel anti theft screws. All complete as per technical specifications of manufacturer. The installation requires the poles to be fitted using Anchor fasteners on a concrete foundation of minimumstrength M-25, cement concrete blocks of required size,as per direction given by engineer incharge, finished below ground level. This equipment to comply with EN 1176 Safety certification standards.	No,s

Previous Measurements		Present Measurements			Total Up to Date	
Qty	Amount	Qty	Rate	Amount	Qty	Amount
		1.00	43992.00	43992.00	1.00	43992.00
		1.00	43992.00	43992.00	1.00	43992.00
		1.00	110121.00	110121.00	1.00	110121.00
		1.00	94924.00	94924.00	1.00	94924.00

Sl No	Item Name	Uni
43	Supply and fixing of A Swing. This equipment comprises of 2 No. A shaped Frame and Toprail made of Dia. 76 mm galvanized steel tubes and wall thickness of 2 mm(The quality of steel meets with the requirement of GB / T 700-1988). The swing chains are made from galvanized steel which is rubberize coated of dia 6mm and length 1400mm. The swing chains are connected to the toprail using a specialized Clamp connector. #6201 bearing is used to connect the clamp & chain ,which is made as the standard GB/T276-2013. Installation: Refer Installation Manual for details. Size (L x W x H): 2585x 500 x 2000 mm. Safety Area: 4900 x 5400 mm. Weight: Approx 45Kg. Children capacity: 2. This equipment to comply with EN 1176 Safety certification standards.	No,s
44	Supply and fixing of 4 Seater See Saw. The Frame and Support Post is made of Dia. 114 mm galvanized steel tubes and wall thickness of 2.5mm(The quality of steel meets with the requirement of GB / T 700-1988). The welding used is CO2 shielded arc welding (meets with the requirement of BS1387-1985, and the technology used meets the requirement of the BS1387-1985) and welding is done by robotic welding. The handrail and foot rest is made of Dia. 32 mm steel tubes and wall thickness of 2 mm(The quality of steel meets with the requirement of GB / T 700-1988). The welding used is CO2 shielded arc welding (meets with the requirement of BS1387-1985, and the technology used meets the requirement of the BS1387-1985) and welding is done by robotic welding. The seat is made from virgin Korean LLDPE, shaped by Rotational molding and strictly conforms to GB/T 4454-1996. The thickness of plastic is of 6 mm, colorful, UV resistant, anti-static and will not fade easily. Also it is safe and environmental friendly. All accessories such as Nuts and Bolts are made from stainless steel 304#. Installation: Refer Installation Manual for details. Size (L x W x H): 2600x 500 x 855 mm . Weight: Approx 45 Kg. Children capacity: 4. This equipment to comply with EN 1176 Safety certification standards.	No,s
45	Fabricating, supplying and erection of …Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for …….Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom …..mm, top….mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.7 meters - Top 70mm and bottom 130mm dia	Nos
46	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed	Nos
47	Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturerLED Floodlight 90W	Nos
48	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 4core 16 sqmm	Mtrs

Previous Measurements		Present Measurements			Total Up to Date	
Qty	Amount	Qty	Rate	Amount	Qty	Amount
		1.00	66358.00	66358.00	1.00	66358.00
		1.00	90280.00	90280.00	1.00	90280.00
		2.00	12240.00	24480.00	2.00	24480.00
		2.00	4199.00	8398.00	2.00	8398.00
		2.00	14646.00	29292.00	2.00	29292.00
		100.00	140.40	14040.00	100.00	14040.00

Sl No	Item Name	U
49	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	M
50	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm	Mt
51	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	No
52	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B. 2)1.5 sqmm.	Mtr
53	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat … with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm	Mtrs
54	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Nos
55	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)5-32 Amps DP	Nos
56	Fabricating supplying and mounting MS box made out … SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcms
57	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 60-70Amps	Nos
58	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Mtrs
59	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	Sqcms
60	KSRB 14.6-1: Providing and fixing of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm jOints, final compaction of paver surface joints fnto its final level, includingthick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications (P.No 101 of I.No.14.6 in PW,P&IWTD SR 2015-16)	
61	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2016-17)	Cum

Previous Measurements		Present Measurements			Total Up to Date	
Qty	Amount	Qty	Rate	Amount	Qty	Amount
		80.00	78.00	6240.00	80.00	6240.00
		100.00	10.80	1080.00	100.00	1080.00
		1.00	4200.00	4200.00	1.00	4200.00
		60.00	10.75	645.00	60.00	645.00
		10.00	263.00	2630.00	10.00	2630.00
		2.00	234.00	468.00	2.00	468.00
		2.00	849.00	1698.00	2.00	1698.00
		30000.00	0.33	9900.00	30000.00	9900.00
		2.00	4774.00	9548.00	2.00	9548.00
		3.00	132.00	396.00	3.00	396.00
		5000.00	0.22	1100.00	5000.00	1100.00
		0.00	966.72	0.00	0.00	- 0.00
		240.20	72.08	17313.62	240.20	17313.62
				4578739.77		4,578,739.77
			KRIDL Charges 9%			412,086.58
				Grand Total RS		4,990,826.35

Asst. Executive Engineer
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